# ThinkServer™ TS430 Fixed PSU (0389) - TopSeller

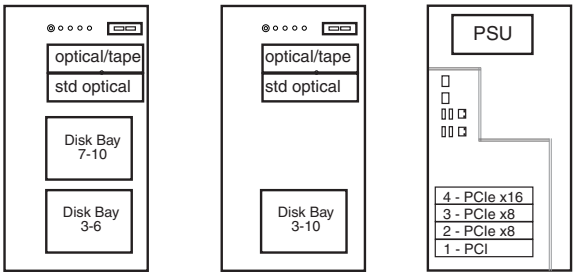


| Type-model | Slot x bay | Processor(s) | GHz | Cores / Threads | Memory DIMMs | Disk size | Disk bays | Disk Controller | Disk type | RAID Int | SATA optical | System mgmt | Diagnostics (DIT) | TPM | Power Supply |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0389-11U | 4x6 | Core i3-2100 | 3.1 | 2C/4T | 1x2GB | 3.5" | 4 x Direct Cable | Intel PCH | SATA | 0/1/10 | DVD | IPMI | None | TPM | 1x Fixed |

- ***Highly Reliable: ECC memory and enterprise-class SAS & SATA choices***
- ***Highly Manageable: enhanced remote manageability with IPMI 2.0 BMC & optional KVM***
- ***Room to Grow: highly modular hot-swap SATA/SAS design – supports up to 8 hard drives (selected models)***
- ***1-year limited warranty***[1]
- ***Part of the US TopSeller™ Program***

| | |
|---|---|
| Processor | Up to one processor, one processor standard, **Intel® Core™ i3-2100 processor (2C/4T, 3.1GHz, 3MB Cache)**, integrated Intel HD Graphics, DDR3 memory controller (up to 1333MHz) |
| Implementation | One LGA1155 socket |
| Memory | 16GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, **ECC**, four 240-pin DIMM sockets |
| Additional memory disclaimers | • Actual memory operating speed is the lowest installed speed, dependent on processor memory controller speed and installed memory speed |
| Graphics | Onboard Aspeed AST2150 graphics/management processor, one VGA DB-15 on rear; Maximum resolution: 1600x1200@60Hz |
| Disk bays | Four 3.5" SATA disk bays, no hot-swap, direct cable |
| Disk controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, RAID[8] 0, 1, 10 support |
| Tape drive | Supports optional tape drive via internal USB 2.0 connector |
| Optical | DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| Diskette | None (use USB port) |
| Chipset | **Intel C202 Chipset**, Platform Controller Hub [PCH] (Slot 1-2, ethernet MAC, and USB) |
| Ethernet | Two Gigabit Ethernet ports, Intel 82574L and 82579LM |
| Extender card | None |
| Front ports | Two USB 2.0 |
| Rear ports | Four USB 2.0, one serial (9-pin), two ethernet (RJ-45, one port is shared with system management), one analog VGA DB-15 connector |
| Diagnostics | System status LEDs on front; *DIT model(s):* add-on Doctor Inside Technology (DIT) module for advanced diagnostics |
| Systems mgmt | Onboard Aspeed AST2150 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); *KVM model(s):* add-on KVM card for KVM functions |
| Security chip | No onboard TPM chip; *TPM model(s):* additional Nuvoton WPCT210 add-on card for TPM function, TCG 1.2-compliant |
| Prerequisites | Monitor, SATA/SAS disk, OS |
| Keyboard | None (use USB port) |
| Mouse | None (use USB port) |
| Power supply | One fixed 400 watts standard, universal, 80 PLUS® Bronze qualified |
| Mechanical | Tower, business black color, metal case |
| Dimension | W x H x D = 7.68"/195mm x 16.9"/430mm x 23.4"/595mm |
| System weight | 61.7 lb (28kg) max configuration |
| Tool-less | Side cover removal, disk and optical drive removal, system fan removal |
| Rack mount | Rack-mountable to 5U |
| Max internal capacity | *4x3.5" SATA (DC/HS):* 8.0TB with four 2TB 3.5" SATA disks<br>*8x3.5" SATA (HS):* 16.0TB with eight 2TB 3.5" SATA disks<br>*4x3.5" SAS (HS):* 2.4TB with four 600GB 3.5" SAS disks<br>*8x3.5" SAS (HS):* 4.8TB with eight 600GB 3.5" SAS disks<br>*8x2.5" SAS (HS):* 4.8TB with eight 600GB 2.5" SAS disks |
| Limited warranty | 1-year parts and labor; more ThinkPlus™ information see S-TOR sheet |
| Accessories | For more accessories, see O-TOR sheet |

**Front** - *3.5" disk bay* **Front -** *2.5" disk bay* **Rear**




*3.5" disk bay models:*

| | | | | |
|---|---|---|---|---|
| Bay 1 | 5.25", | 1.6" high, | external, | open (optical/tape) |
| Bay 2 | 5.25", | 1.6" high, | external, | std optical |
| Bay 3 | 3.5", | 1" high, | external, | for disk |
| Bay 4 | 3.5", | 1" high, | external, | for disk |
| Bay 5 | 3.5", | 1" high, | external, | for disk |
| Bay 6 | 3.5", | 1" high, | external, | for disk |

*Bay 7-10 are available on Eight 3.5" disk bay models:*

| | | | | |
|---|---|---|---|---|
| Bay 7 | 3.5", | 1" high, | external, | for disk |
| Bay 8 | 3.5", | 1" high, | external, | for disk |
| Bay 9 | 3.5", | 1" high, | external, | for disk |
| Bay 10 | 3.5", | 1" high, | external, | for disk |

*2.5" disk bay models:*

| | | | | |
|---|---|---|---|---|
| Bay 1 | 5.25", | 1.6" high, | external, | open (optical/tape) |
| Bay 2 | 5.25", | 1.6" high, | external, | std optical |
| Bay 3 | 2.5", | 0.6" high, | external, | for disk |
| Bay 4 | 2.5", | 0.6" high, | external, | for disk |
| Bay 5 | 2.5", | 0.6" high, | external, | for disk |
| Bay 6 | 2.5", | 0.6" high, | external, | for disk |
| Bay 7 | 2.5", | 0.6" high, | external, | for disk |
| Bay 8 | 2.5", | 0.6" high, | external, | for disk |
| Bay 9 | 2.5", | 0.6" high, | external, | for disk |
| Bay 10 | 2.5", | 0.6" high, | external, | for disk |

Slot 1 half-length, full-height, 32-bit PCI 2.3
Slot 2 half-length, full-height, PCI Express 2.0 x8*
Slot 3 half-length, full-height, PCI Express 2.0 x8
Slot 4 half-length, full-height, PCI Express 2.0 x16** (near CPU)
* x4 electrical
** x8 electrical

**Software Management Tools**

- ThinkServer EasyStartup
- ThinkServer EasyManage

**Security**

- Security chip (selected models, see information on left)
- Administrator password
- User password
- Front panel key lock
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- USB port disablement (all)

RoHS-compliant

See footnotes for important warranty information
US model(s) announced June 21, 2011

© Lenovo